



**BERNALILLO COUNTY FIRE DEPARTMENT
FIRE PREVENTION BUREAU
6840 SECOND ST., NW SUITE 302
ALBUQUERQUE, N.M. 87107
505-468-1340**

Bernalillo County Fire Code Automatic Sprinkler Plan Review Requirements

Automatic Sprinkler Plans Reviews are based on the 2006 International Fire code, NFPA 13, and Bernalillo County Code. In order to perform a thorough Sprinkler Plan Review, the following should be submitted:

1. Complete signed and certified by a NICET III or greater; plans and specifications for the sprinkler system and related equipment.
2. Description and locations of uses within the building.
3. Design details in accordance with the appropriate reference standard (i.e. NFPA 13, 13D, 13R) as referenced by the Fire and Building Codes
4. Design calculations indicating the discharge requirements of the system with evaluation of the arrangement and source of the water supply.
5. Results of a current flow test indicating the location date of the test, name, and signature of person conducting the test.
6. Working drawings indicating all pipe sizes and the spacing between branch lines and sprinklers on the branch line.
7. Material specifications and equipment specifications. All materials used should be verified that they are installed in accordance with their listing.



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Bernalillo County Fire Code Requirements for Automatic Sprinkler Systems

All Automatic Sprinkler systems designed in accordance with NFPA 13 shall be reviewed and submitted bearing a review certification and signature of a minimum level III NICET Certified Engineering Technician (CET).

Permits Required:

A Fire Department permit is required for installation of or modification to:

1. Automatic Fire-extinguishing System
2. Fire alarm and detection systems and related equipment
3. Fire pumps and related equipment
4. Standpipe systems
5. Private fire hydrants
6. Relocation of Post Indicator Valves

All permits listed above will be issued by the Bernalillo County Fire Marshal's Office

Requirements for an Automatic Sprinkler System

Group B, F, M, U, S

In addition to the requirements of the fire and building codes, an approved automatic monitored sprinkler system shall be installed throughout all levels of new Group B,,F, M, , U, and S occupancies where the total square footage including mezzanines and basements 6,000 square feet or greater, and buildings over 3 stories in height regardless of the total square footage.

Group R-1, R-2, R-4

All Group R-1, R-2, and R-4 occupancies shall have an approved automatic sprinkler system installed regardless of the square footage.

Group A

All Groups A occupancies shall have an approved automatic sprinkler system installed where there is an occupant load of 50 or more regardless of the total square footage.

Group E



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All Group E occupancies shall have an approved automatic sprinkler system installed throughout all Group E fire areas that are 6,000 square feet and greater in size, and shall be provided for every portion of educational buildings above or below the level of exit discharge.

Group R-3

All Group R-3 occupancies 6,000 square feet or greater shall have an approved automatic sprinkler throughout

Group R-3 and U occupancies less than 6,000 square feet shall be required to have an automatic sprinkler system installed when any of the following conditions exist;

1. The fire department access roads do not meet the requirements of the Fire Code
2. The building is located in a subdivision without adequate fire apparatus access roads, which provide multiple ingress and egress points from the subdivision.
3. The building site is located on a dead-end and exceeds 1,500 feet from the nearest thoroughfare's intersection
4. The fire department access road has a greater than 12 % grade
5. A fire hydrant is more than 1000 feet from the building site or the required fire flow is not available.
6. The most remote point of a building is located more than 150 feet from the closest point of a fire apparatus access roadways as measured by an approved route around the exterior of the building.

Exceptions:

The following exceptions apply to R-3 occupancies

1. Detached one and two family dwellings under 3,000 square feet.
2. Manufactured (mobile) and modular homes built on a permanent chassis designed and built as a dwelling unit and recreational vehicles that were not site built and are portable in nature.

Inspections:

All automatic sprinkler plans required by the Fire Code will be submitted to the Bernalillo County Fire Marshal's Office for review and approval. The Bernalillo County Fire Marshal's Office will conduct inspections of the systems during construction, and after the system is installed for the acceptance testing of the system prior to structure being allowed to be occupied.

If you have any question about the automatic sprinkler system requirements contact the;

Bernalillo County Fire Marshal's Office
6840 2nd street NW
Albuquerque NM 87107
(505)468-1340